

SYSTEM AND METHODS OF FLUORESCENCE, REFLECTANCE AND LIGHT  
SCATTERING SPECTROSCOPY FOR MEASURING TISSUE CHARACTERISTICS  
ABSTRACT OF THE DISCLOSURE

- 5           The present invention utilizes a plurality of spectroscopic systems and methods  
to measure characteristics of tissue useful in the diagnosis of disease. In a preferred  
embodiment, a combination of fluorescence, reflectance and light scattered spectra can  
be measured and processed to provide biochemical, architectural and morphological  
state of tissue. The methods and systems can be used particularly in the early detection  
10 of carcinoma within tissue in vivo and in vitro.

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